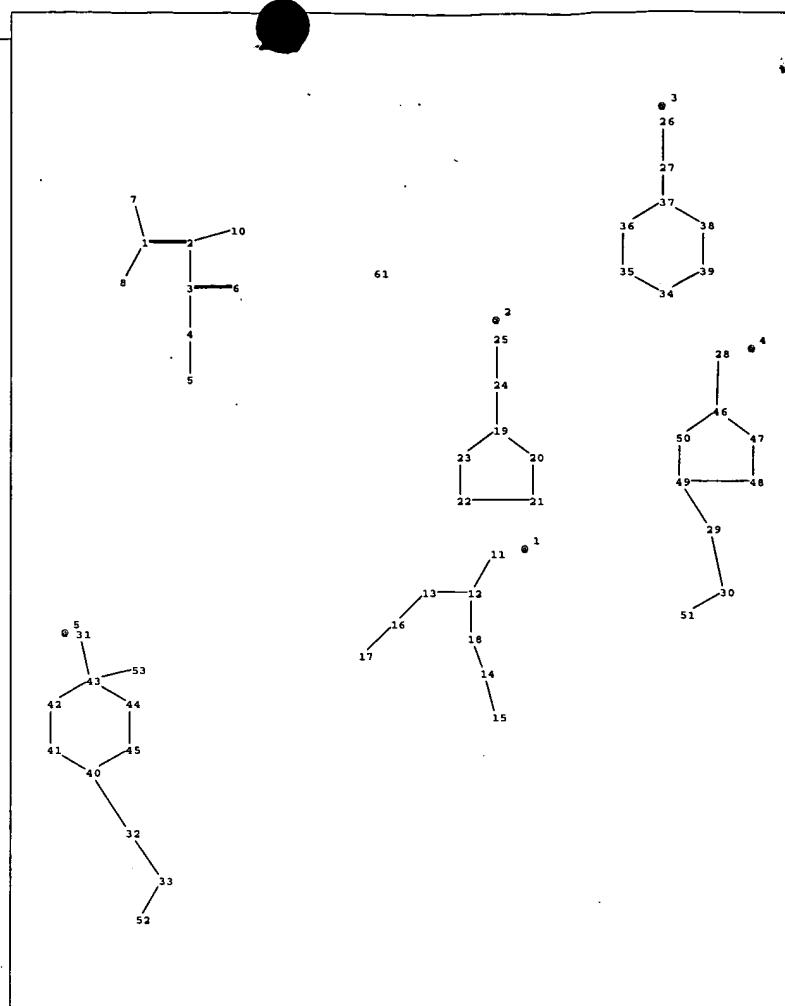


STN CAS
Search



chain nodes :

chain nodes :

1	2	3	4	5	6	7	8
32	33	51	52	53	61		

ring nodes :

chain bonds : 19 20 21 22 23 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1-2 1-7

19-24 24-25 26-27 27-37 28-46 29-49 29-30 30-51 31-43 32-40 32-33 33-52 43-53
ring bonds :
 19-20 19-23 20-21 21-22 22-23 34-35 34-39 35-36 36-37 37-38 38-39 40-41 40-45
 41-42 42-43 43-44 44-45 46-47 46-50 47-48 48-49 49-50

41-42 42-43
exact/norm bonds :

exact bonds :

1-2 1-7 1-8 2-3 11-12 13-16 14-15 14-18 16-17
29-49 29-30 30-51 31-43 32-40 32-33 33-52 43-53

G1:H,CH3

G2:[*1],[*2],[*3],[*4],[*5]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom
39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom
49:Atom 50:Atom 51:CLASS 52:CLASS 53:CLASS 61:CLASS

=> file reg
COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
FULL ESTIMATED COST 0.21 SESSION 0.21

FILE 'REGISTRY' ENTERED AT 10:34:15 ON 15 SEP 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 SEP 2003 HIGHEST RN 584554-34-7
DICTIONARY FILE UPDATES: 12 SEP 2003 HIGHEST RN 584554-34-7

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 965 AND 1006 AND 1015 AND 1051 AND 2076 AND 2067

L1 SCREEN CREATED

=> screen 1821 OR 1822 OR 1823 OR 1824

L2 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\10092846-2.str

L3 STRUCTURE UPLOADED

=>.que L3 AND L1 AND L2

L4 QUE L3 AND L1 AND L2

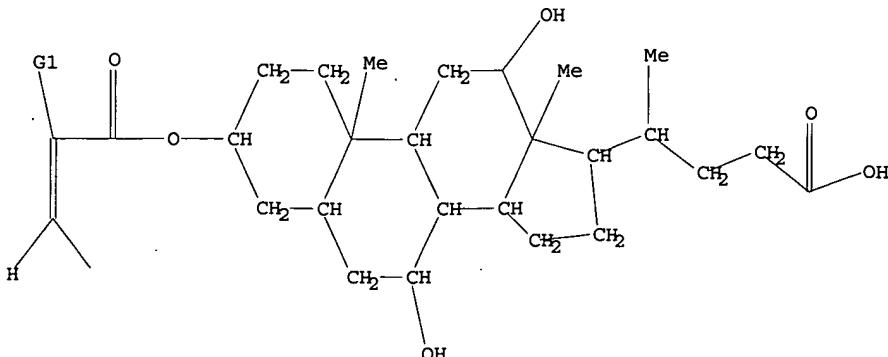
=> d

L4 HAS NO ANSWERS

L1 SCR 965 AND 1006 AND 1015 AND 1051 AND 2076 AND 2067

L2 SCR 1821 OR 1822 OR 1823 OR 1824

L3 STR



Structure attributes must be viewed using STN Express query preparation.
L4 QUE ABB=ON PLU=ON L3 AND L1 AND L2

=> s 14 sss sam
SAMPLE SEARCH INITIATED 10:34:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L3 AND L1 AND L2

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L6 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\10092846-1.str

L7 STRUCTURE UPLOADED

=> que L7 AND L6

L8 QUE L7 AND L6

=> d
L8 HAS NO ANSWERS

L6 SCR 970 AND 2067
L7 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L8 QUE ABB=ON PLU=ON L7 AND L6

=> s 18 sss sam
SAMPLE SEARCH INITIATED 10:35:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 381 TO ITERATE

100.0% PROCESSED 381 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6449 TO 8791
PROJECTED ANSWERS: 1 TO 80

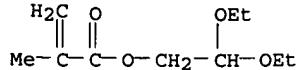
L9 1 SEA SSS SAM L7 AND L6

=> d

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN.
RN 95984-08-0 REGISTRY
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with
2,2-diethoxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propenoic acid, 2-methyl-, 2,2-diethoxyethyl ester, polymer with
1,2-ethanediyl bis(2-methyl-2-propenoate) (9CI)
MF (C10 H18 O4 . C10 H14 O4)x
CI PMS
PCT Polyacrylic
LC STN Files: CA, CAPLUS

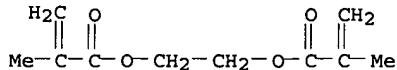
CM 1

CRN 95983-99-6
CMF C10 H18 O4



CM 2

CRN 97-90-5
CMF C10 H14 O4



2 REFERENCES IN FILE CA (1937 TO DATE)
2 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> FIL CAPLUS HCAPLUS USPATFUL	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	2.88	3.09

FILE 'CAPLUS' ENTERED AT 10:35:49 ON 15 SEP 2003
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FILE 'HCAPLUS' ENTERED AT 10:35:49 ON 15 SEP 2003
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FILE 'USPATFULL' ENTERED AT 10:35:49 ON 15 SEP 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 15
L10 0 L5

=> s 19
L11 4 L9

=> duplicates remove l11
DUPLICATE PREFERENCE IS 'CAPLUS, HCAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L11
L12 2 DUPLICATE REMOVE L11 (2 DUPLICATES REMOVED)

=> d l12 1-2 ibib hitstr

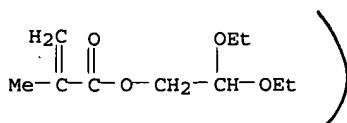
L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 1986:553706 CAPLUS
DOCUMENT NUMBER: 105:153706
TITLE: Polymer compositions with ester and acetal groups
INVENTOR(S): Zabransky, Jiri; Houska, Milan; Plichta, Zdenek;
Kalal, Jaroslav
PATENT ASSIGNEE(S): Czech.
SOURCE: Czech., 6 pp.
CODEN: CZXXA9
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 227494	B	19840416	CS 1982-5031	19820701
PRIORITY APPLN. INFO.:			CS 1982-5031	19820701
IT 95984-08-0				
RL: USES (Uses)				
(carriers for biol. active compds.)				
RN 95984-08-0				
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with 2,2-diethoxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)				

CM 1

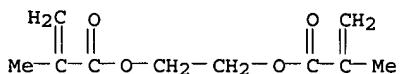
1,3-dioxolane

CRN 95983-99-6
CMF C10 H18 O4



CM 2

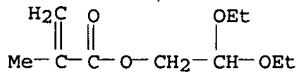
CRN 97-90-5
CMF C10 H14 O4



L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 1985:167256 CAPLUS
DOCUMENT NUMBER: 102:167256
TITLE: Polymers with aldehyde and acetal groups based on esters of methacrylic acid
AUTHOR(S): Zabransky, Jiri; Houska, Milan; Plichta, Zdenek;
Kalal, Jaroslav
CORPORATE SOURCE: Inst. Macromol. Chem., Czech. Acad. Sci., Prague, 162
06/6, Czech.
SOURCE: Makromolekulare Chemie (1985), 186(2), 231-45
DOCUMENT TYPE: CODEN: MACEAK; ISSN: 0025-116X
LANGUAGE: English
IT 95984-08-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and transacetalization of)
RN 95984-08-0 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with
2,2-diethoxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

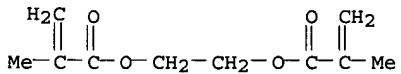
CM 1

CRN 95983-99-6
CMF C10 H18 O4



CM 2

CRN 97-90-5
CMF C10 H14 O4



=>

=> d his

(FILE 'HOME' ENTERED AT 10:53:00 ON 15 SEP 2003)

FILE 'REGISTRY' ENTERED AT 10:53:13 ON 15 SEP 2003

L1 59098 S 1,3-DIOXOLANE
L2 0 S 1,3-DIOXOLANE ACRYLATE
L3 1 S 1,3-DIOXOLANE METHACRYLATE
L4 2 S 1,3-DIOXANE METHACRYLATE

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 10:55:34 ON 15 SEP 2003

=> s l3 or l4
L5 13 L3 OR L4

=> s 15 and (photoresist or resist)
L6 0 L5 AND (PHOTORESIST OR RESIST)

=> duplicates remove 15
DUPLICATE PREFERENCE IS 'CAPLUS, HCAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L7 8 DUPLICATE REMOVE L5 (5 DUPLICATES REMOVED)

=> d 17 1-8 ibib

L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2000:398651 CAPLUS
DOCUMENT NUMBER: 133:135850
TITLE: Comparative study of the relaxation behavior of
acrylic polymers with flexible cyclic groups in their
structure
AUTHOR(S): Garcia, N.; Compan, V.; Diaz-Calleja, R.; Guzman, J.;
Riande, E.
CORPORATE SOURCE: Instituto de Ciencia y Tecnologia de Polimeros, CSIC,
Madrid, 28006, Spain
SOURCE: Polymer (2000), 41(17), 6603-6611
PUBLISHER: CODEN: POLMAG; ISSN: 0032-3861
DOCUMENT TYPE: Elsevier Science Ltd.
LANGUAGE: Journal
REFERENCE COUNT: English
27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 1999:339484 CAPLUS
DOCUMENT NUMBER: 130:339409
TITLE: High-solids thermosetting coating compositions with
dual cure mechanism and coating an article
INVENTOR(S): Ohrbom, Walter; Harris, Paul
PATENT ASSIGNEE(S): BASF Corporation, USA
SOURCE: Eur. Pat. Appl.; 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 915113	A1	19990512	EP 1998-121140	19981110
EP 915113	B1	20030507		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 5907024	A	19990525	US 1997-968387	19971112
US 5945499	A	19990831	US 1997-968395	19971112
JP 2000204316	A2	20000725	JP 1998-320604	19981111
PRIORITY APPLN. INFO.: US 1997-968387 A 19971112 US 1997-968395 A 19971112				
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L7 ANSWER 3 OF 8 USPATFULL on STN
ACCESSION NUMBER: 1999:102888 USPATFULL
TITLE: High solids thermosetting compositions with dual cure
mechanism
INVENTOR(S): Ohrbom, Walter H., Hartland Township, MI, United States
Harris, Paul J., West Bloomfield, MI, United States
PATENT ASSIGNEE(S): BASF Corporation, Southfield, MI, United States (U.S.)

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5945499		19990831
APPLICATION INFO.:	US 1997-968395		19971112 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gorr, Rachel		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1003		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L7 ANSWER 4 OF 8 USPATFULL on STN
ACCESSION NUMBER: 1999:61209 USPATFULL
TITLE: High solids thermosetting compositions with dual cure mechanism
INVENTOR(S): Ohrbom, Walter H., Hartland Township, MI, United States
Harris, Paul J., West Bloomfield, MI, United States
PATENT ASSIGNEE(S): BASF Corporation, Southfield, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5907024		19990525
APPLICATION INFO.:	US 1997-968387		19971112 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gorr, Rachel		
LEGAL REPRESENTATIVE:	Sabourin, Anne Gerry		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
LINE COUNT:	983		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 3
ACCESSION NUMBER: 1991:165141 CAPLUS
DOCUMENT NUMBER: 114:165141
TITLE: Polyacetal terpolymers of trioxane and alpha, alpha- and alpha, beta-isomers of glycerol formal and functional derivatives thereof
INVENTOR(S): Yang, Nan Loh; Auerbach, Andrew; Pesce, Rose A.; Broussard, Jerry A.; Paul, James L.
PATENT ASSIGNEE(S): Hoechst Celanese Corp., USA
SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 398585	A2	19901122	EP 1990-305040	19900510
EP 398585	A3	19920722		
US 4975519	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE	19901204	US 1989-350781	19890512
CA 2016335	A	19901112	CA 1990-2016335	19900509
CN 1047307	AA	19901128	CN 1990-102766	19900512
JP 03047818	A	19901228	JP 1990-123976	19900514
BR 9002243	A2	19910228	BR 1990-2243	19900514
PRIORITY APPLN. INFO.:	A	19910813	US 1989-350781	19890512

L7 ANSWER 6 OF 8 USPATFULL on STN
ACCESSION NUMBER: 90:93246 USPATFULL
TITLE: Novel polyacetal terpolymers of trioxane and alpha, alpha- and alpha, beta-isomers of glycerol formal and functional derivatives thereof
INVENTOR(S): Yang, Nan L., Staten Island, NY, United States
Auerbach, Andrew, Livingston, NJ, United States
Pesce, Rose, College Point, NY, United States
Broussard, Jerry A., Summit, NJ, United States
Paul, James L., Summit, NJ, United States
PATENT ASSIGNEE(S): Hoechst Celanese Corporation, Somerville, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4975519		19901204

APPLICATION INFO.: US 1989-350781 19890512 (7)
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Kight, III, John
ASSISTANT EXAMINER: Acquaah, Sam A.
LEGAL REPRESENTATIVE: Nixon & Vanderhye
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 596
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4
ACCESSION NUMBER: 1966:439001 CAPLUS
DOCUMENT NUMBER: 65:39001
ORIGINAL REFERENCE NO.: 65:7312a-c
TITLE: Oxacycloalkane ester compositions containing aryl peroxides and tertiary aromatic amines, polymerizable in air
INVENTOR(S): Reinhardt, Heinz F.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3256254		19660614	US	19620828

L7 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 5
ACCESSION NUMBER: 1954:39267 CAPLUS
DOCUMENT NUMBER: 48:39267
ORIGINAL REFERENCE NO.: 48:7052g-i,7053a
TITLE: Esters of acrylic and methacrylic acids
INVENTOR(S): Ellery, Eric
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 690709		19530429	GB	